

WHAT IS CLAIMED IS

1. An electric heat sealing apparatus comprising:
 - a lower support board;
 - an upper support board, arranged above the lower support board;
 - a lateral board located between the lower and the upper support board with a moving space being formed therebetween;
 - a receiving board fixed on a top face of the lower support board, the receiving board having a receiving hole;
 - a tray received in the receiving hole, an article to be packaged being placed on the tray;
 - a lower driver fixed on a bottom face of the lower support board, passing through the lower support board and engaging with the tray so as to drive the tray moving up and down;
 - a sealing plate arranged in the moving space; and
 - an upper driver fixed on a top face of the upper support board, passing through the upper support board and engaging with the sealing plate so as to drive the sealing plate moving up and down; wherein
 - a seal-cut portion extending downwardly from a rim of the sealing plate which forms an opened recess surrounded by the seal-cut portion, the seal-cut portion comprising a sealing portion and a cutting portion which define a narrow groove therebetween, on a course of packing, the sealing portion sealing packing material, and the cutting portion cutting remains of the packing material.
2. The electric heat sealing apparatus as claimed in Claim 1, wherein the upper and the lower drivers are pneumatic-type drivers.
3. The electric heat sealing apparatus as claimed in Claim 1, further comprising a temperature resistance board which is placed on the receiving board.
4. The electric heat sealing apparatus as claimed in Claim 3, further comprising a plastic coating material which is coated on a top surface of the temperature

resistance board, the plastic coating material has a reasonable thickness similarly to the plastic films, a suitable elasticity and a superior high temperature resistance.

5. The electric heat sealing apparatus as claimed in Claim 1, further comprising a slide board which is arranged between the sealing plate and the upper support board and engaged with them respectively, so the slide board and the sealing plate can be driven together by the upper driver to move up and down in the moving space.
6. The electric heat sealing apparatus as claimed in Claim 5, wherein a plurality of adjusting holes are opened in the slide board, and a plurality of adjusting bolts are assembled therein accordingly.
7. The electric heat sealing apparatus as claimed in Claim 5, further comprising a guide board which is shaped to have a pair of sides, one side is firmly fixed to a corresponding lateral side of the lateral board, and the other side is engaged with the slide board so as to enable the slide board and sealing plate to slide along the side of the guide board.
8. The electric heat sealing apparatus as claimed in Claim 7, wherein a guide recess is opened on a side of the slide board so as to receive the other side of the guide board.
9. The electric heat sealing apparatus as claimed in Claim 1, wherein a second assemble hole is opened along a rim of the sealing plate, a heating tube which heat the sealing plate to a predetermined sealing temperature is placed therein.
10. The electric heat sealing apparatus as claimed in Claim 9, wherein a first assemble hole is opened along a rim of the sealing plate and paralleled with the second hole, the first assemble hole is used to receive a temperature sensor member which sense an actual temperature of the sealing plate.
11. The electric heat sealing apparatus as claimed in Claim 9, wherein a third assemble hole is communicate with and perpendicular to the second assemble hole,

a positioning bolt is received in the third assemble hole to firmly position the heating tube in the second assemble hole.

12. The electric heat sealing apparatus as claimed in Claim 1, wherein the sealing portion is located in an interior side of the seal-cut portion.
13. The electric heat sealing apparatus as claimed in Claim 1, wherein the cutting portion is located in an exterior side of the seal-cut portion, and an extremely narrow bottom face is formed via cutting the rim of the seal-cut portion along a downward inclined direction.
14. The electric heat sealing apparatus as claimed in Claim 1, further comprising a block board which is fixed to an exterior side of the upper support board paralleled with the lateral board.